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Class Specifications
for the Class:

HEAVY VEHICLE/CONSTRUCTION EQUIPMENT MECHANIC II
(HEAVY VEH/CONSTR EQUIP MECH II)

Duties Summary:

Supervises and participates in the work of mechanics responsible for repairing and overhauling a variety of heavy vehicles and/or construction equipment as a substantially full-time assignment; and performs other related duties as assigned.

Distinguishing Characteristics:

This class reflects responsibility for supervising and participating in the work of mechanics performing, as a substantially full-time assignment, skilled, journey-level work in the repair, maintenance and overhaul of a variety of heavy vehicles and/or construction equipment. A position in this class supervises several journey-level mechanics and in the process may oversee the activities of a repair shop. Additionally, a position in this class may also supervise and participate in the modification of vehicles and equipment and the design and fabrication of equipment and parts, as necessary, in order to meet the needs of the organization and its program requirements.

Examples of Duties:

Plans, organizes, lays out, assigns and reviews the work of several journey-level mechanics; participates in the repair and maintenance of heavy vehicles and/or construction equipment including their various specialized parts and systems; supervises and participates in the design, modification and fabrication of parts and equipment as required; supervises and performs welding in connection with repair work; inspects vehicles and equipment to determine needed repairs; estimates time and material needed to perform a job, schedules work by priority and makes assignments; inspects and reviews work in progress and upon completion; road tests vehicles and equipment repaired; instructs and trains employees in repair and maintenance methods and practices; promotes safety awareness and enforces safety regulations; maintains adequate inventory of tools and supplies; schedules preventative maintenance work on vehicles, equipment and tools; determines which jobs to contract out for repairs based on the need for special tools and equipment to accomplish the repairs, obtains time and cost estimates, prepares requisitions and bid specifications, if necessary, and inspects completed work and verifies charges; requisitions materials and supplies; keeps

records of material and labor costs; and maintains records of work activities and prepares various reports.

Knowledge and Abilities Required:

Knowledge of: Theory and principles of the internal combustion engine, electrical systems and drive train systems; principles of complex hydraulic systems; tools, machines, materials and practices used in the repair and overhaul of automotive equipment including heavy vehicles and/or construction equipment and appurtenant mechanical, hydraulic and electrical units; operation of heavy vehicles and/or various construction equipment sufficient to conduct road tests; and hazards and safety practices applicable to the trade.

Ability to: Plan, organize, lay out, assign and review the work of journey-level mechanics; diagnose and correct defects in motorized equipment; repair and overhaul a variety of heavy vehicle and/or construction equipment and their various specialized mechanical, hydraulic and electrical units; use appropriate tools and testing equipment; read and interpret various manufacturers' manuals in performing work; read schematic wiring and hydraulic flow diagrams; make working sketches and drawings; do welding and simple sheet metal work; perform heavy manual work and lifting; estimate material, parts and labor necessary to perform a job; maintain records; encourage safety practices and enforce safety rules; may require the ability to supervise and participate in the modification and fabrication of vehicles and equipment.

This is the first specification for the new class HEAVY VEHICLE/CONSTRUCTION EQUIPMENT MECHANIC II (HEAVY VEH/CONSTR EQUIP MECH II).

Effective Date: 2/16/90

DATE APPROVED: 3/30/92

SHARON Y. MIYASHIRO
Director of Personnel Services